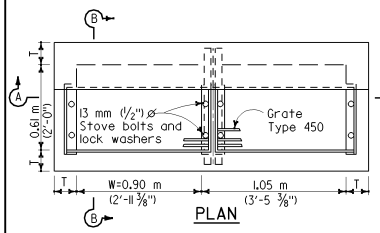
DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

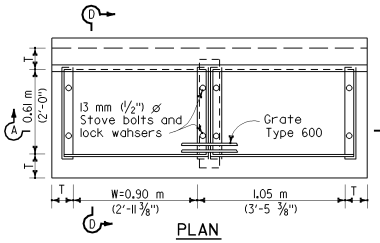
July 1, 2002
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Glenn DeCou — No. C34547 — EXP. 9-30-03 — CIVIL — STATE OF CALIFORNIA



PLAN

TYPE GTI



PLAN

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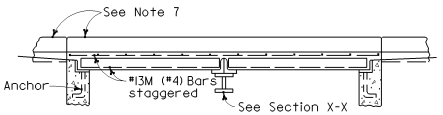
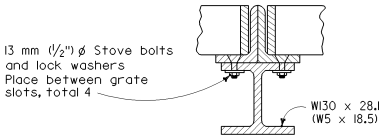


SECTION A-A



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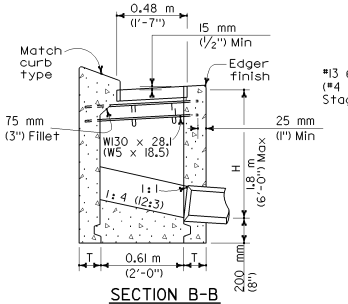

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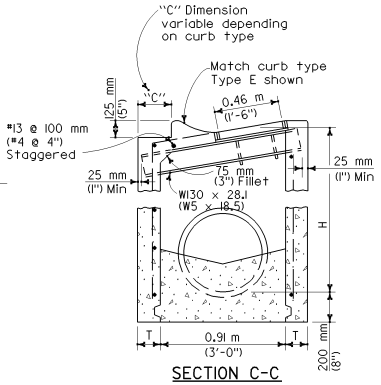

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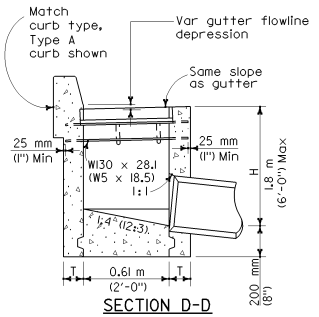

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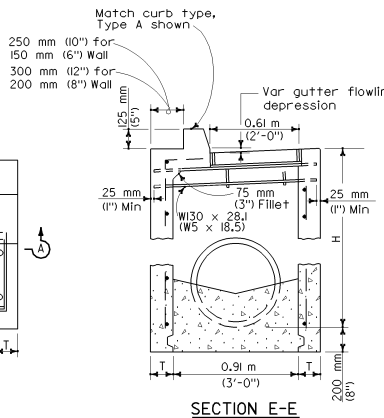

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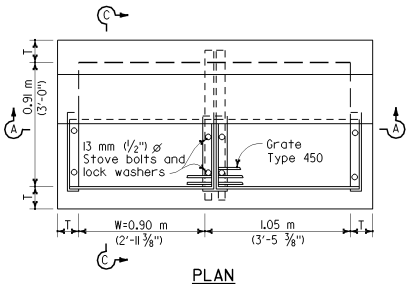
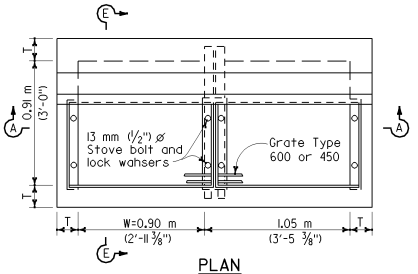


PLAN

TYPE GT2



PLAN

TYPE GT4

NOTES:

1. "H" is the difference in elevation between the outlet pipe flow line and the normal gutter grade line undepressed.
2. For "T" wall thickness, see Table A below.
3. Wall reinforcing not required when "H" is 2.5 m (8') or less and the unsupported width or length is 2.1 m (7') or less. Walls exceeding these limits shall be reinforced with #13M bars @ 450 mm± (#4 bars @18"±) centers placed 40 mm (1½") clear to inside of box unless otherwise shown.
4. Inlet bottom reinforcing not required. See Standard Plan D74C for alternative reinforced bottom.
5. Steps - None required where "H" is less than 0.75 m (30"). Where "H" is 0.75 m (30") or more, install steps with lowest rung 300 mm (12") above the floor and highest rung not more than 150 mm (6") below top of inlet. The distance between steps shall not exceed 300 mm (12") and shall be uniform throughout the length of the wall. Place steps in the wall without an opening. Step inserts may be substituted for the bar steps. Step inserts shall comply with State Industrial Safety requirement. See Standard Plan D74C for step details.
6. Pipe(s) can be placed in any wall.
7. Curb section shall match adjacent curb.
8. Basin floors shall have wood trowell finish and a minimum slope of 1:4 (12:3) from all directions toward outlet pipe.
9. Galvanizing - See Standard Specifications or Special Provisions.
10. W = 0.90 m (2'-11 3/8") for one grate. Add 1.05 m (3'-5 3/8") for additional grates in tandem.
11. See Standard Plans D77A and D77B for grate and frame details and masses (weights) of miscellaneous iron and steel.
12. See Standard Plan D78 for gutter depression details.
13. Full penetration butt welds may be substituted for the fillet welds on all anchors.
14. Standard square, hexagon, round or equivalent headed anchors may be substituted for the right angle hooks on the anchors shown on this plan.
15. Cast-in-place or precast alternative is optional with contractor. See Standard Specifications.

TABLE A

CONCRETE QUANTITIES

TYPE	H=0.90 m (3'-0") TO 2.50 m (8'-0") (T=150 mm (6"))		H=2.51 m (8'-1") TO 6.00 m (20'-0") (T=200 mm (8"))	
	H=0.90 m (3'-0") m^3 (CY)	ADDITIONAL PCC PER METER (FOOT) m^3 (CY)	H=2.51 m (8'-1") m^3 (CY)	ADDITIONAL PCC PER METER (FOOT) m^3 (CY)
GTI	1.28 (1.74)	0.87 (0.348)	(1)	(1)
GT2	1.55 (2.11)	0.96 (0.385)	4.08 (5.40)	1.31 (0.530)
GT3	1.27 (1.73)	0.87 (0.348)	(1)	(1)
GT4	1.60 (2.18)	0.96 (0.385)	4.09 (5.41)	1.31 (0.530)

(1) Maximum allowable height = 1.8 m (6'-0")
Table based on 200 mm (8") floor slab, no deduction for pipe openings, and curb type giving highest quantity of concrete.
No deductions or adjustments are to be made to these quantities because of pipe openings, different floor alternatives or different curb type.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DRAINAGE INLETS

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses ( ). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

D74A